



UTAH DEPARTMENT *of*
ENVIRONMENTAL QUALITY
**DRINKING
WATER**

DRINKING WATER INFRASTRUCTURE

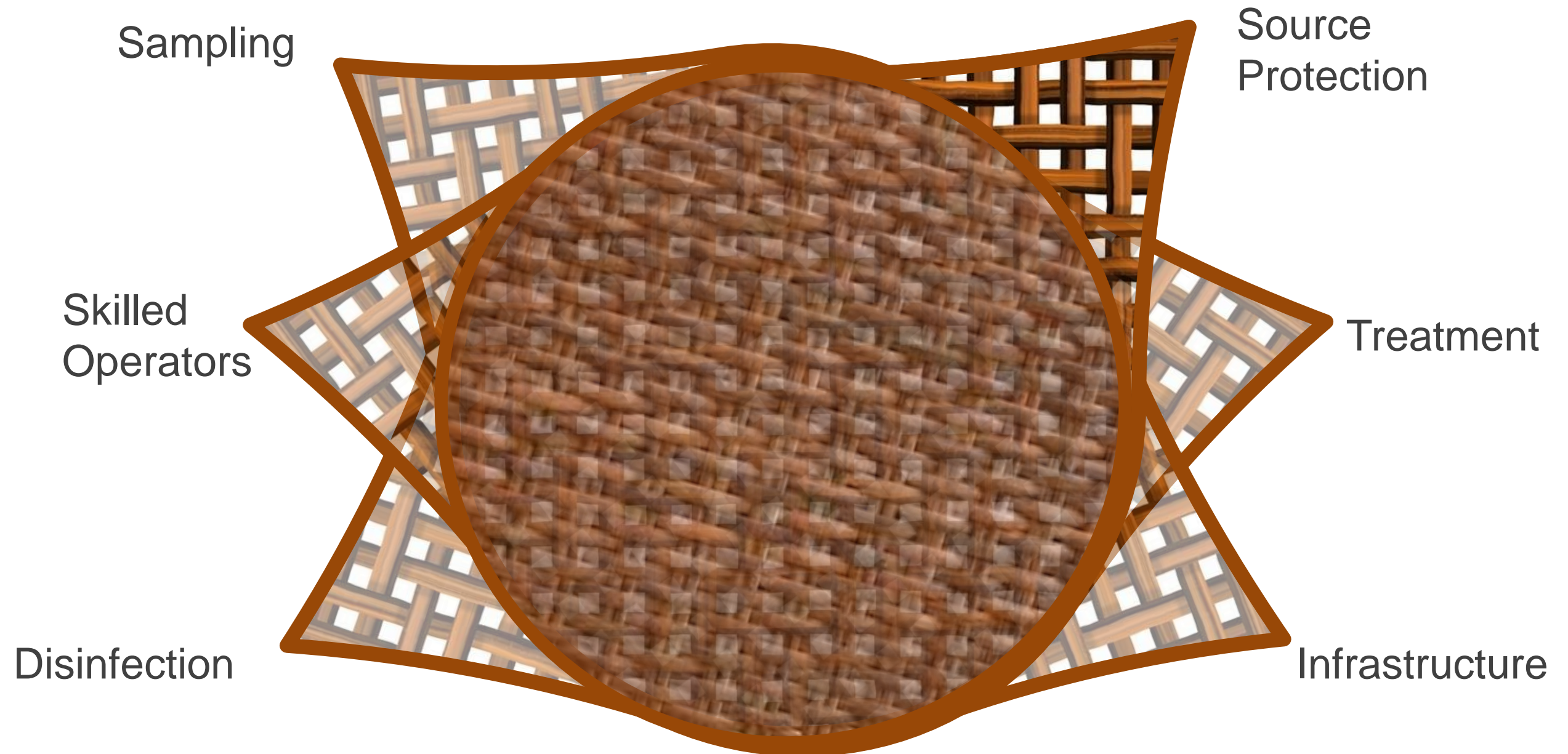
Safe Drinking Water in Utah

Public Expectation

Safe drinking water at every tap in every building throughout the State of Utah



Multi-Barrier Approach



Drinking Water Infrastructure



Jordan Valley Water Conservancy District

Utah Water System Demographics

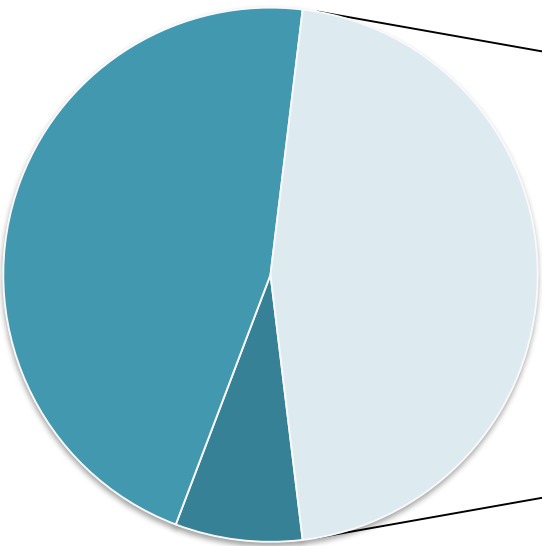
Community



Non-Transient Non-Community

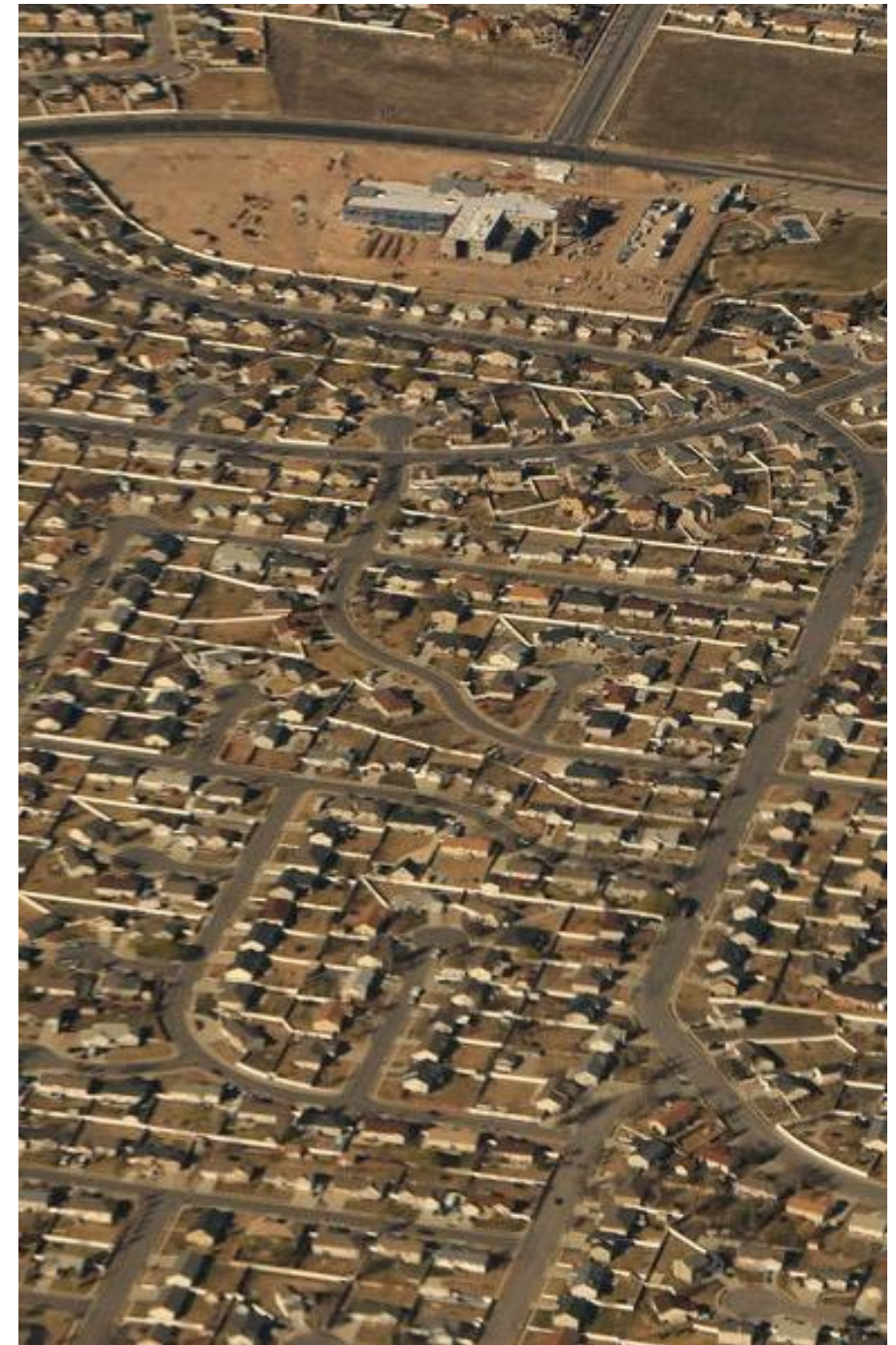


Transient Non-Community



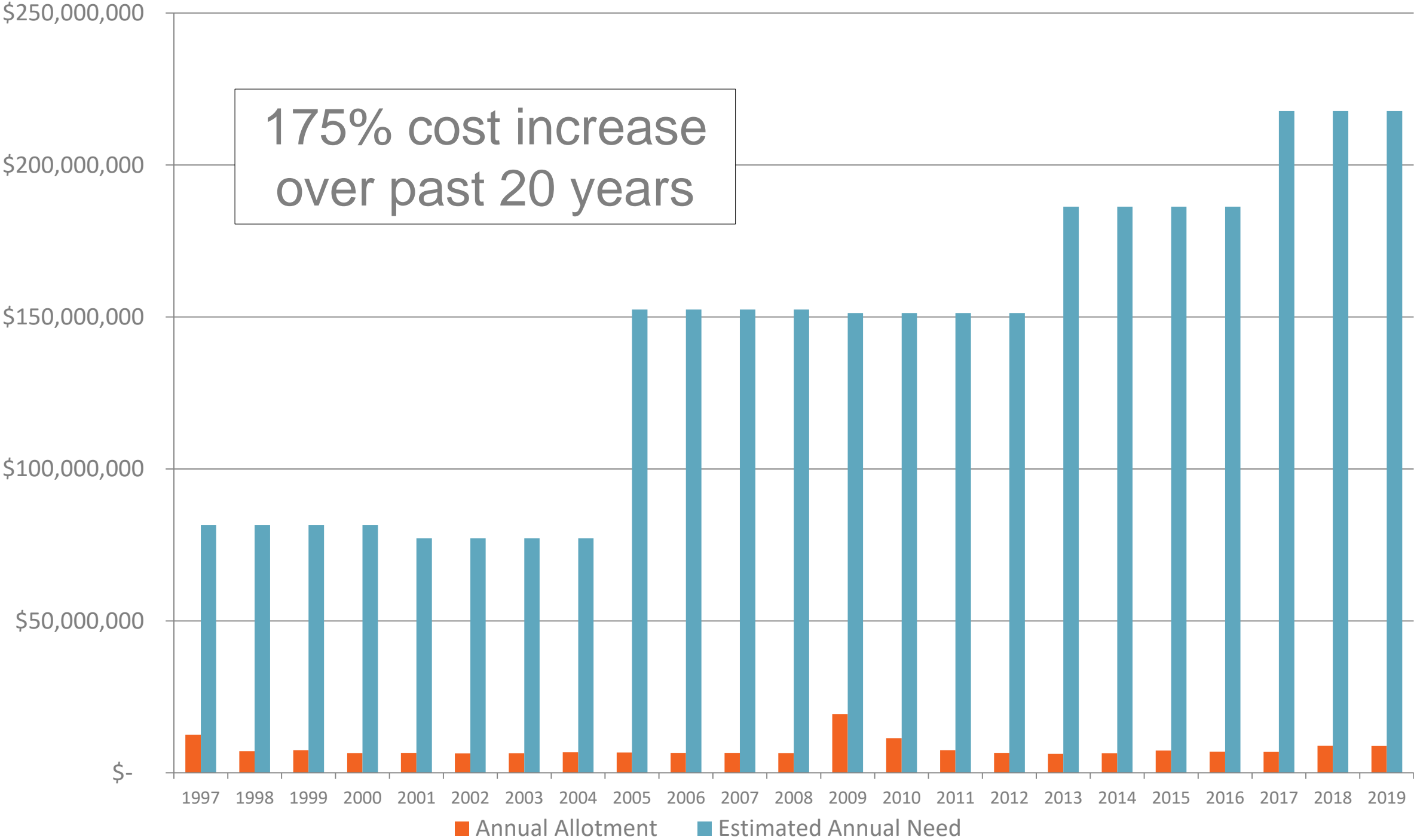
- Non-Transient Non-Community
- Transient
- Community < 500
- Com. btwn 500 - 10,000
- Community > 10,000

Aging Infrastructure and Growth

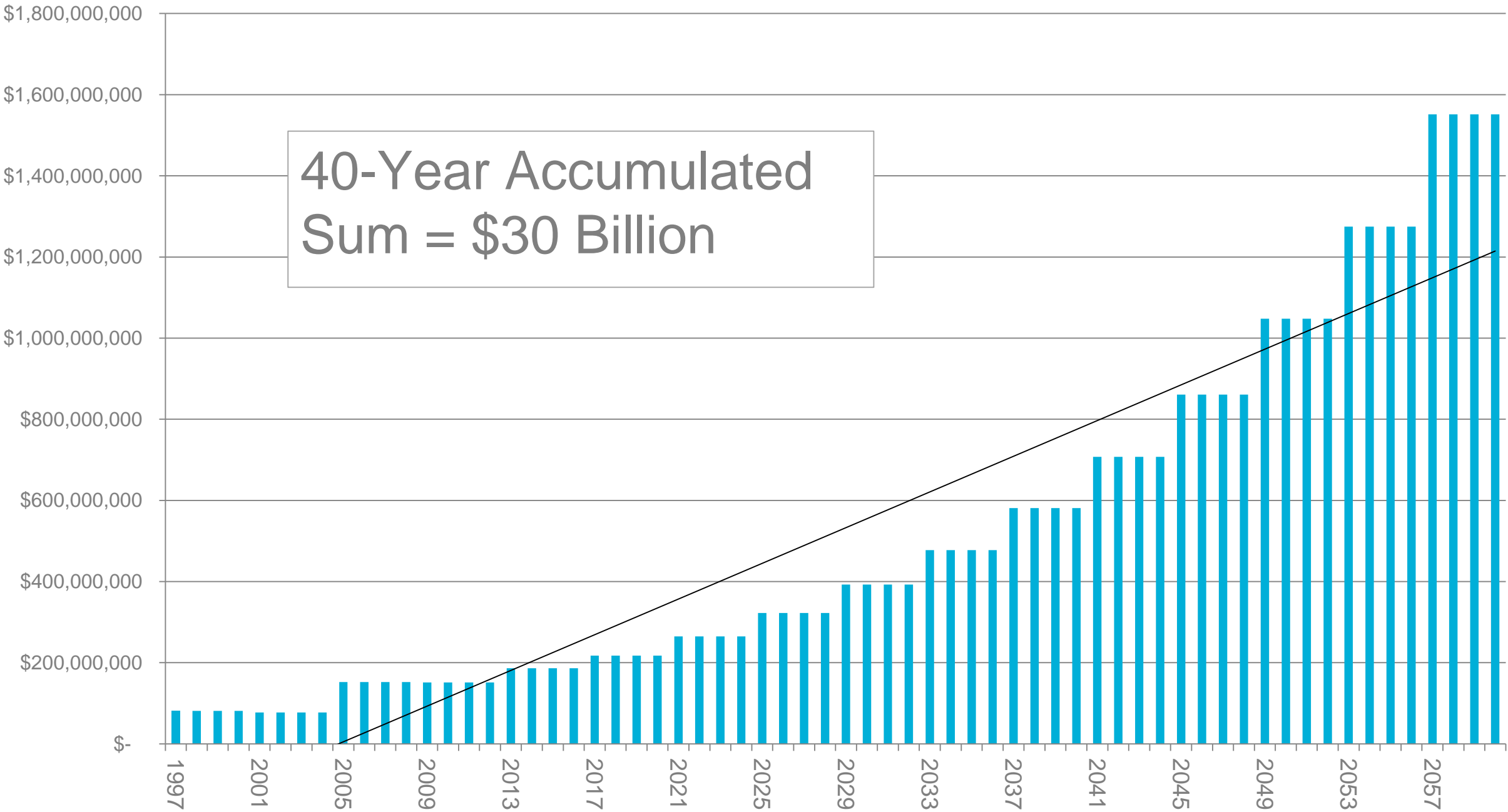


Riverton Subdivision

Current Drinking Water Need

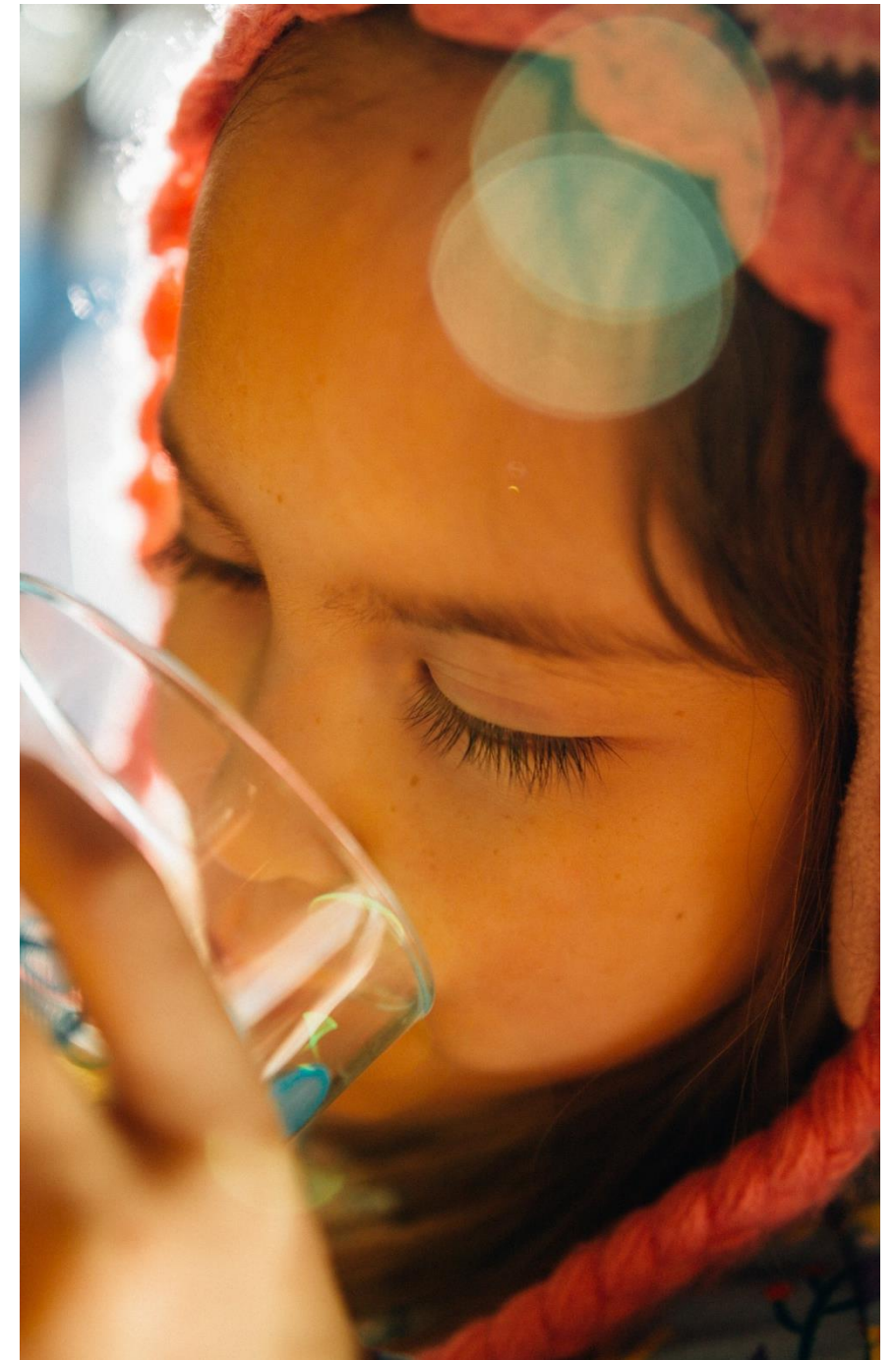


Predicting the Future

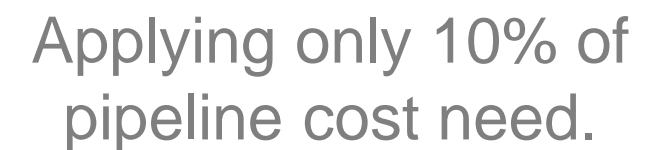


Limitations and Concerns

- Lack of accurate inventory
- Lack of adequate asset management
- Unsustainable revenue base (water rates)
- Social equity issues
- Specific application of growth projections for small systems
- Survey is overwhelming
- Only includes 50% of pipeline needs



The Need is Everywhere, But Varies



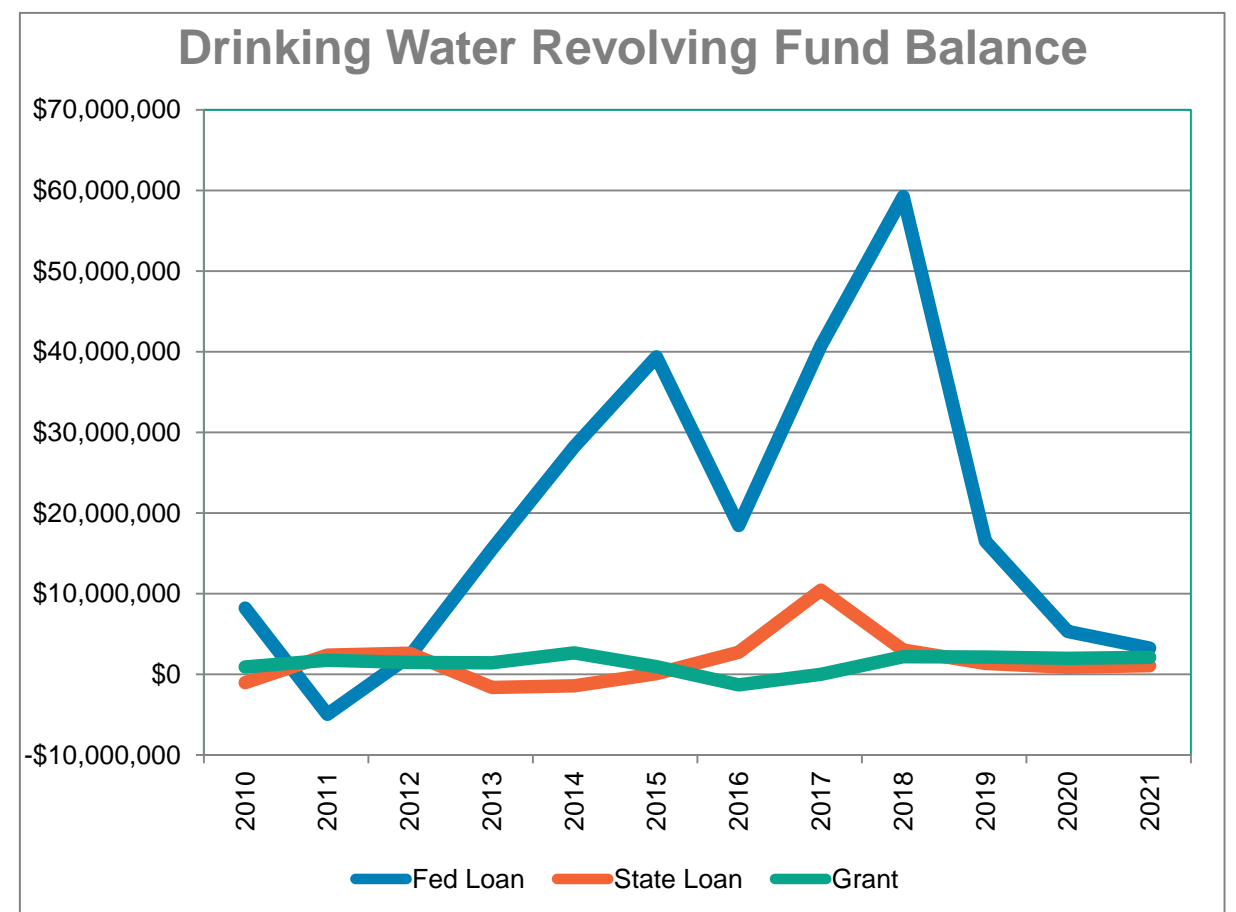
Existing Drinking Water Funding

Revolving Loan and Grant Fund

- \$7 million annually from Federal funding
- \$3.6 million annually from State funding
- 22 year total = \$182 Million

Constraints

- Funding sources are capped.
- Annual funding covers less than 5% of need.
- The funding gap is growing.



Drinking Water State Revolving Fund

- Over \$194 Million given out in the last eight years
- Only \$182 Million received to the fund over 22 years
- 80% given as loans
- Loans are repaid by the water rate revenue
- Grants are only used to assist disadvantaged communities

Direct Project Benefits

Year	Construction		Planning	
	Projects	Value	Projects	Value
FY12	23	\$28,772,416	5	\$177,600
FY13	15	\$18,073,649	9	\$396,000
FY14	16	\$12,628,511	12	\$394,000
FY15	14	\$14,641,467	15	\$576,000
FY16	18	\$44,595,032	18	\$797,500
FY17	23	\$18,067,673	2	\$60,000
FY18	12	\$20,209,807	6	\$376,600
FY19	13	\$34,176,469	15	\$472,250
Total	134	\$191,115,021	82	\$3,249,950

Filling the Gap

- Current funding to drinking water SRF is \$11 million per year
- Multiplicity of funding programs
- Current need is over \$200 million per year
- Future need is growing fast
- Funds can be maximized by strategic cash flow management

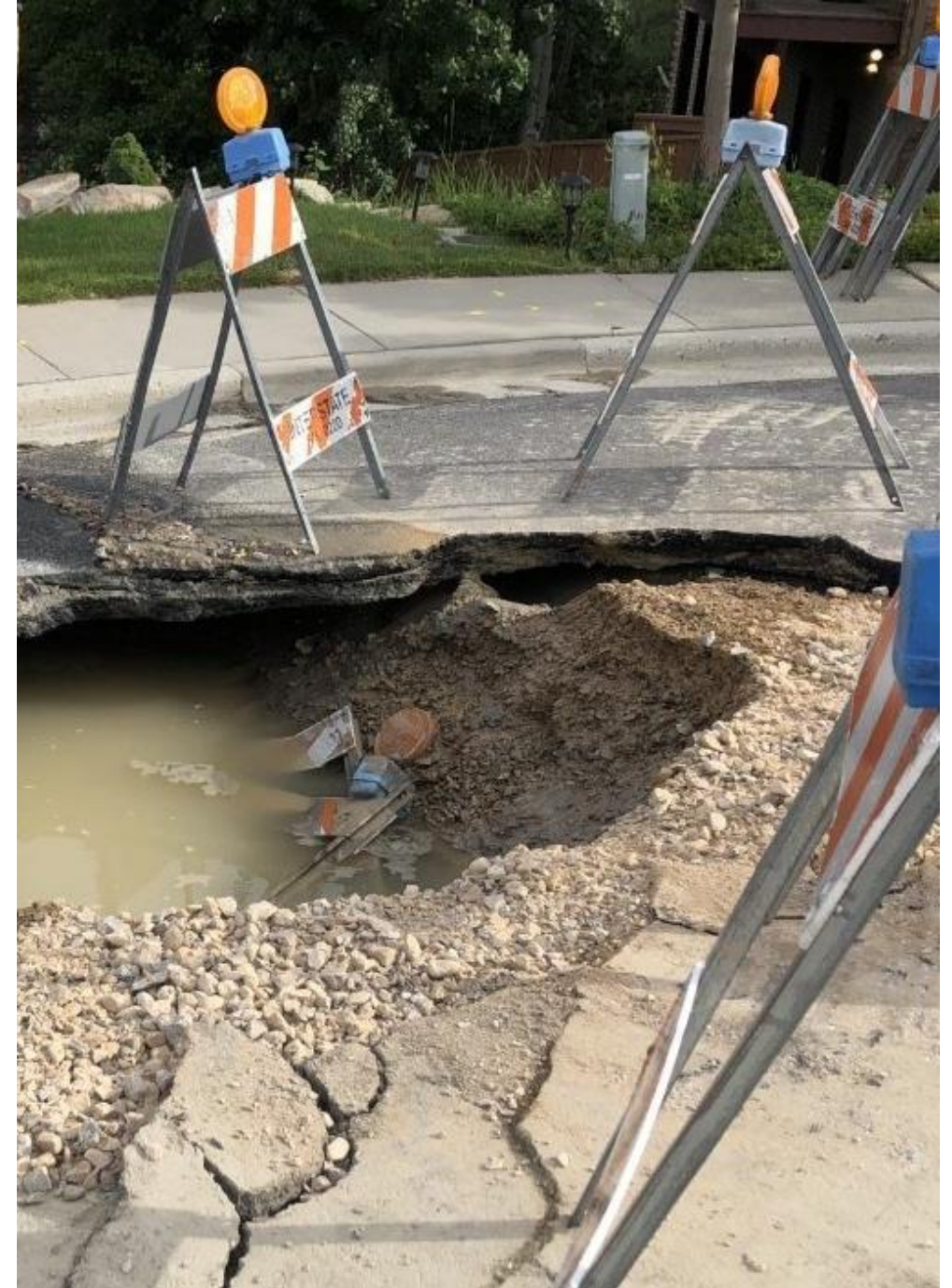
There is a 10 to 15 fold gap!



Drinking Water Vulnerability



St. George water main break
(Photo credit: Jeff Richards, St. George News)



Holladay water main break (Photo credit: ABC4 News)

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